

SOFTWARE-CONTROLLED CACHE SET MANAGEMENT

ABSTRACT

The present invention provides for selectively
overwriting sets of a cache as a function of a replacement
5 management table and a least recently used function. A
class identifier is created as a function of an address
miss. A replacement management table is employable to read
the class identifier to create a tag replacement control
indicia. The cache, comprising a plurality of sets, is
10 employable to disable the replacement of at least one of the
plurality of sets as a function of the tag replacement
control indicia.